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SEQUENCE LISTING PART

<110> The University of Sydney

<120> Protease Susceptibility

<130> Weiss Protease

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<170> PatentIn Ver. 2.0

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- 2 -

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<212> PRT

<213> Homo sapiens

<400> 4

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 35 40 45
 Leu Gly Ala Gly Leu Gly Ala Phe Pro Ala Val Thr Phe Pro Gly Ala
 50 55 60
 Leu Val Pro Gly Gly Val Ala Asp Ala Ala Ala Tyr Lys Ala Ala
 65 70 75 80
 Lys Ala Gly Ala Gly Leu Gly Gly Val Pro Gly Val Gly Gly Leu Gly
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 Val Ser Ala Gly Ala Val Val Pro Gln Pro Gly Ala Gly Val Lys Pro
 100 105 110
 Gly Lys Val Pro Gly Val Gly Leu Pro Gly Val Tyr Pro Gly Gly Val
 115 120 125
 Leu Pro Gly Ala Arg Phe Pro Gly Val Gly Val Leu Pro Gly Val Pro
 130 135 140
 Thr Gly Ala Gly Val Lys Pro Lys Ala Pro Gly Val Gly Gly Ala Phe
 145 150 155 160
 Ala Gly Ile Pro Gly Val Gly Pro Phe Gly Gly Pro Gln Pro Gly Val
 165 170 175
 Pro Leu Gly Tyr Pro Ile Lys Ala Pro Lys Leu Pro Gly Gly Tyr Gly
 180 185 190
 Leu Pro Tyr Thr Thr Gly Lys Leu Pro Tyr Gly Tyr Gly Pro Gly Gly
 195 200 205
 Val Ala Gly Ala Ala Gly Lys Ala Gly Tyr Pro Thr Gly Thr Gly Val
 210 215 220
 Gly Pro Gln Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Lys Phe

- 5 -

225	230	235	240
Gly Ala Gly Ala Ala Gly Val Leu Pro Gly Val Gly Gly Ala Gly Val	245	250	255
Pro Gly Val Pro Gly Ala Ile Pro Gly Ile Gly Gly Ile Ala Gly Val	260	265	270
Gly Thr Pro Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys Ala Ala	275	280	285
Lys Tyr Gly Ala Ala Ala Gly Leu Val Pro Gly Gly Pro Gly Phe Gly	290	295	300
Pro Gly Val Val Gly Val Pro Gly Ala Gly Val Pro Gly Val Gly Val	305	310	315
Pro Gly Ala Gly Ile Pro Val Val Pro Gly Ala Gly Ile Pro Gly Ala	325	330	335
Ala Val Pro Gly Val Val Ser Pro Glu Ala Ala Ala Lys Ala Ala Ala	340	345	350
Lys Ala Ala Lys Tyr Gly Ala Arg Pro Gly Val Gly Val Gly Gly Ile	355	360	365
Pro Thr Tyr Gly Val Gly Ala Gly Gly Phe Pro Gly Phe Gly Val Gly	370	375	380
Val Gly Gly Ile Pro Gly Val Ala Gly Val Pro Ser Val Gly Gly Val	385	390	395
Pro Gly Val Gly Gly Val Pro Gly Val Gly Ile Ser Pro Glu Ala Gln	405	410	415
Ala Ala Ala Ala Ala Lys Ala Ala Lys Tyr Gly Val Gly Thr Pro Ala	420	425	430
Ala Ala Ala Ala Lys Ala Ala Ala Lys Ala Ala Gln Phe Gly Leu Val	435	440	445
Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly	450	455	460
Val Ala Pro Gly Val Gly Leu Ala Pro Gly Val Gly Val Ala Pro Gly	465	470	475
Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Ile Gly Pro Gly			

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485	490	495
Gly Val Ala Ala Ala Ala Lys Ser Ala Ala Lys Val Ala Ala Lys Ala		
500	505	510
Gln Leu Arg Ala Ala Ala Gly Leu Gly Ala Gly Ile Pro Gly Leu Gly		
515	520	525
Val Gly Val Gly Val Pro Gly Leu Gly Val Gly Ala Gly Val Pro Gly		
530	535	540
Leu Gly Val Gly Ala Gly Val Pro Gly Phe Gly Ala Gly Ala Asp Glu		
545	550	555
		560
Gly Val Arg Arg Ser Leu Ser Pro Glu Leu Arg Glu Gly Asp Pro Ser		
565	570	575
Ser Ser Gln His Leu Pro Ser Thr Pro Ser Ser Pro Arg Val Pro Gly		
580	585	590
Ala Leu Ala Ala Ala Lys Ala Ala Lys Tyr Gly Ala Ala Val Pro Gly		
595	600	605
Val Leu Gly Gly Leu Gly Ala Leu Gly Gly Val Gly Ile Pro Gly Gly		
610	615	620
Val Val Gly Ala Gly Pro Ala Ala Ala Ala Ala Ala Ala Lys Ala Ala		
625	630	635
		640
Ala Lys Ala Ala Gln Phe Gly Leu Val Gly Ala Ala Gly Leu Gly Gly		
645	650	655
Leu Gly Val Gly Gly Leu Gly Val Pro Gly Val Gly Gly Leu Gly Gly		
660	665	670
Ile Pro Pro Ala Ala Ala Ala Lys Ala Ala Lys Tyr Gly Ala Ala Gly		
675	680	685
Leu Gly Gly Val Leu Gly Gly Ala Gly Gln Phe Pro Leu Gly Gly Val		
690	695	700
Ala Ala Arg Pro Gly Phe Gly Leu Ser Pro Ile Phe Pro Gly Gly Ala		
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<211> 698

<212> PRT

<213> Homo sapiens

<400> 5

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Gly Gly Lys Pro Leu Lys Pro Val Pro Gly Gly Leu Ala Gly Ala Gly
 35 40 45

Leu Gly Ala Gly Leu Gly Ala Phe Pro Ala Val Thr Phe Pro Gly Ala
 50 55 60

Leu Val Pro Gly Gly Val Ala Asp Ala Ala Ala Tyr Lys Ala Ala
 65 70 75 80

Lys Ala Gly Ala Gly Leu Gly Gly Val Pro Gly Val Gly Gly Leu Gly
 85 90 95

Val Ser Ala Gly Ala Val Val Pro Gln Pro Gly Ala Gly Val Lys Pro
 100 105 110

Gly Lys Val Pro Gly Val Gly Leu Pro Gly Val Tyr Pro Gly Gly Val
 115 120 125

Leu Pro Gly Ala Arg Phe Pro Gly Val Gly Val Leu Pro Gly Val Pro
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Thr Gly Ala Gly Val Lys Pro Lys Ala Pro Gly Val Gly Gly Ala Phe
 145 150 155 160

Ala Gly Ile Pro Gly Val Gly Pro Phe Gly Gly Pro Gln Pro Gly Val
 165 170 175

Pro Leu Gly Tyr Pro Ile Lys Ala Pro Lys Leu Pro Gly Gly Tyr Gly
 180 185 190

Leu Pro Tyr Thr Thr Gly Lys Leu Pro Tyr Gly Tyr Gly Pro Gly Gly
 195 200 205

Val Ala Gly Ala Ala Gly Lys Ala Gly Tyr Pro Thr Gly Thr Gly Val
 210 215 220

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Gly Pro Gln Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Lys Phe
 225 230 235 240

Gly Ala Gly Ala Ala Gly Val Leu Pro Gly Val Gly Gly Ala Gly Val
 245 250 255

Pro Gly Val Pro Gly Ala Ile Pro Gly Ile Gly Gly Ile Ala Gly Val
 260 265 270

Gly Thr Pro Ala Ala Ala Ala Ala Ala Ala Ala Lys Ala Ala
 275 280 285

Lys Tyr Gly Ala Ala Ala Gly Leu Val Pro Gly Gly Pro Gly Phe Gly
 290 295 300

Pro Gly Val Val Gly Val Pro Gly Ala Gly Val Pro Gly Val Gly Val
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Pro Gly Ala Gly Ile Pro Val Val Pro Gly Ala Gly Ile Pro Gly Ala
 325 330 335

Ala Val Pro Gly Val Val Ser Pro Glu Ala Ala Ala Lys Ala Ala Ala
 340 345 350

Lys Ala Ala Lys Tyr Gly Ala Arg Pro Gly Val Gly Val Gly Gly Ile
 355 360 365

Pro Thr Tyr Gly Val Gly Ala Gly Gly Phe Pro Gly Phe Gly Val Gly
 370 375 380

Val Gly Gly Ile Pro Gly Val Ala Gly Val Pro Ser Val Gly Gly Val
 385 390 395 400

Pro Gly Val Gly Gly Val Pro Gly Val Gly Ile Ser Pro Glu Ala Gln
 405 410 415

Ala Ala Ala Ala Ala Lys Ala Ala Lys Tyr Gly Val Gly Thr Pro Ala
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Ala Ala Ala Ala Lys Ala Ala Ala Lys Ala Ala Gln Phe Gly Leu Val
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Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly
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Val Ala Pro Gly Val Gly Leu Ala Pro Gly Val Gly Val Ala Pro Gly
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- 9 -

Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Ile Gly Pro Gly
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 Gln Leu Arg Ala Ala Ala Gly Leu Gly Ala Gly Ile Pro Gly Leu Gly
 515 520 525
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 530 535 540
 Leu Gly Val Gly Ala Gly Val Pro Gly Phe Gly Ala Val Pro Gly Ala
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 Leu Ala Ala Ala Lys Ala Ala Lys Tyr Gly Ala Ala Val Pro Gly Val
 565 570 575
 Leu Gly Gly Leu Gly Ala Leu Gly Gly Val Gly Ile Pro Gly Gly Val
 580 585 590
 Val Gly Ala Gly Pro Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala
 595 600 605
 Lys Ala Ala Gln Phe Gly Leu Val Gly Ala Ala Gly Leu Gly Gly Leu
 610 615 620
 Gly Val Gly Gly Leu Gly Val Pro Gly Val Gly Gly Leu Gly Gly Ile
 625 630 635 640
 Pro Pro Ala Ala Ala Ala Lys Ala Ala Lys Tyr Gly Ala Ala Gly Leu
 645 650 655
 Gly Gly Val Leu Gly Gly Ala Gly Gln Phe Pro Leu Gly Gly Val Ala
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<210> 6

<211> 660

<212> PRT

<213> Homo sapiens

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<400> 6

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 35 40 45
 Pro Gly Val Gly Gly Leu Gly Val Ser Ala Gly Ala Val Val Pro Gln
 50 55 60
 Pro Gly Ala Gly Val Lys Pro Gly Lys Val Pro Gly Val Gly Leu Pro
 65 70 75 80
 Gly Val Tyr Pro Gly Phe Gly Ala Val Pro Gly Ala Arg Phe Pro Gly
 85 90 95
 Val Gly Val Leu Pro Gly Val Pro Thr Gly Ala Gly Val Lys Pro Lys
 100 105 110
 Ala Pro Gly Val Gly Gly Ala Phe Ala Gly Ile Pro Gly Val Gly Pro
 115 120 125
 Phe Gly Gly Pro Gln Pro Gly Val Pro Leu Gly Tyr Pro Ile Lys Ala
 130 135 140
 Pro Lys Leu Pro Gly Gly Tyr Gly Leu Pro Tyr Thr Thr Gly Lys Leu
 145 150 155 160
 Pro Tyr Gly Tyr Gly Pro Gly Gly Val Ala Gly Ala Ala Gly Lys Ala
 165 170 175
 Gly Tyr Pro Thr Gly Thr Gly Val Gly Pro Gln Ala Ala Ala Ala Ala
 180 185 190
 Ala Ala Lys Ala Ala Ala Lys Phe Gly Ala Gly Ala Ala Gly Phe Gly
 195 200 205
 Ala Val Pro Gly Val Gly Gly Ala Gly Val Pro Gly Val Pro Gly Ala
 210 215 220
 Ile Pro Gly Ile Gly Gly Ile Ala Gly Val Gly Thr Pro Ala Ala Ala
 225 230 235 240
 Ala Ala Ala Ala Ala Ala Ala Lys Ala Ala Lys Tyr Gly Ala Ala Ala
 245 250 255

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Gly Leu Val Pro Gly Gly Pro Gly Phe Gly Pro Gly Val Val Gly Val
 260 265 270

Pro Gly Phe Gly Ala Val Pro Gly Val Gly Val Pro Gly Ala Gly Ile
 275 280 285

Pro Val Val Pro Gly Ala Gly Ile Pro Gly Ala Ala Gly Phe Gly Ala
 290 295 300

Val Ser Pro Glu Ala Ala Ala Lys Ala Ala Lys Ala Ala Lys Tyr
 305 310 315 320

Gly Ala Arg Pro Gly Val Gly Val Gly Gly Ile Pro Thr Tyr Gly Val
 325 330 335

Gly Ala Gly Gly Phe Pro Gly Phe Gly Val Gly Val Gly Gly Ile Pro
 340 345 350

Gly Val Ala Gly Val Pro Ser Val Gly Gly Val Pro Gly Val Gly Gly
 355 360 365

Val Pro Gly Val Gly Ile Ser Pro Glu Ala Gln Ala Ala Ala Ala
 370 375 380

Lys Ala Ala Lys Tyr Gly Val Gly Thr Pro Ala Ala Ala Ala Lys
 385 390 395 400

Ala Ala Ala Lys Ala Ala Gln Phe Gly Leu Val Pro Gly Val Gly Val
 405 410 415

Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val
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Gly Leu Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro
 435 440 445

Gly Val Gly Val Ala Pro Gly Ile Gly Pro Gly Gly Val Ala Ala Ala
 450 455 460

Ala Lys Ser Ala Ala Lys Val Ala Ala Lys Ala Gln Leu Arg Ala Ala
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Ala Gly Leu Gly Ala Gly Ile Pro Gly Leu Gly Val Gly Val Gly Val
 485 490 495

Pro Gly Leu Gly Val Gly Ala Gly Val Pro Gly Leu Gly Val Gly Ala
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- 12 -

Gly Val Pro Gly Phe Gly Ala Val Pro Gly Ala Leu Ala Ala Ala Lys
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Ala Ala Lys Tyr Gly Ala Val Pro Gly Val Leu Gly Gly Leu Gly Ala
 530 535 540

Leu Gly Gly Val Gly Ile Pro Gly Gly Val Val Gly Ala Gly Pro Ala
 545 550 555 560

Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Lys Ala Ala Gln Phe Gly
 565 570 575

Leu Val Gly Ala Ala Gly Leu Gly Gly Leu Gly Val Gly Gly Leu Gly
 580 585 590

Val Pro Gly Val Gly Gly Leu Gly Gly Ile Pro Pro Ala Ala Ala Ala
 595 600 605

Lys Ala Ala Lys Tyr Gly Ala Ala Gly Leu Gly Gly Val Leu Gly Gly
 610 615 620

Ala Gly Gln Phe Pro Leu Gly Gly Val Ala Ala Arg Pro Gly Phe Gly
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Leu Ser Pro Ile Phe Pro Gly Gly Ala Cys Leu Gly Lys Ala Cys Gly
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Arg Lys Arg Lys
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<212> PRT

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Gly Gly Lys Pro Leu Lys Pro Val Pro Gly Gly Leu Ala Gly Ala Gly
 35 40 45

Leu Gly Ala Gly Leu Gly Ala Phe Pro Ala Val Thr Phe Pro Gly Ala

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 65 70 75 80
 Lys Ala Gly Ala Gly Leu Gly Gly Val Pro Gly Val Gly Gly Leu Gly
 85 90 95
 Val Ser Ala Gly Ala Val Val Pro Gln Pro Gly Ala Gly Val Lys Pro
 100 105 110
 Gly Lys Val Pro Gly Val Gly Leu Pro Gly Val Tyr Pro Gly Gly Val
 115 120 125
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 130 135 140
 Thr Gly Ala Gly Val Lys Pro Lys Ala Pro Gly Val Gly Gly Ala Phe
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 Ala Gly Ile Pro Gly Val Gly Pro Phe Gly Gly Pro Gln Pro Gly Val
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 Pro Leu Gly Tyr Pro Ile Lys Ala Pro Lys Leu Pro Gly Gly Tyr Gly
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 Val Ala Gly Ala Ala Gly Lys Ala Gly Tyr Pro Thr Gly Thr Gly Val
 210 215 220
 Gly Pro Gln Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Lys Phe
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 245 250 255
 Pro Gly Val Pro Gly Ala Ile Pro Gly Ile Gly Gly Ile Ala Gly Val
 260 265 270
 Gly Thr Pro Ala Ala Ala Ala Ala Ala Ala Ala Lys Ala Ala
 275 280 285
 Lys Tyr Gly Ala Ala Ala Gly Leu Val Pro Gly Gly Pro Gly Phe Gly
 290 295 300
 Pro Gly Val Val Gly Val Pro Gly Ala Gly Val Pro Gly Val Gly Val

- 14 -

305					310					315					320
Pro	Gly	Ala	Gly	Ile	Pro	Val	Val	Pro	Gly	Ala	Gly	Ile	Pro	Gly	Ala
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Ala	Val	Pro	Gly	Val	Val	Ser	Pro	Glu	Ala	Ala	Ala	Lys	Ala	Ala	Ala
			340					345					350		
Lys	Ala	Ala	Lys	Tyr	Gly	Ala	Arg	Pro	Gly	Val	Gly	Val	Gly	Gly	Ile
		355					360					365			
Pro	Thr	Tyr	Gly	Val	Gly	Ala	Gly	Gly	Phe	Pro	Gly	Phe	Gly	Val	Gly
	370					375						380			
Val	Gly	Gly	Ile	Pro	Gly	Val	Ala	Gly	Val	Pro	Ser	Val	Gly	Gly	Val
385					390					395					400
Pro	Gly	Val	Gly	Gly	Val	Pro	Gly	Val	Gly	Ile	Ser	Pro	Glu	Ala	Gln
				405					410					415	
Ala	Ala	Ala	Ala	Ala	Lys	Ala	Ala	Lys	Tyr	Gly	Val	Gly	Thr	Pro	Ala
			420					425					430		
Ala	Ala	Ala	Ala	Lys	Ala	Ala	Ala	Lys	Ala	Ala	Gln	Phe	Gly	Leu	Val
		435					440					445			
Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Val	Gly
	450					455					460				
Val	Ala	Pro	Gly	Val	Gly	Leu	Ala	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly
465					470					475					480
Val	Gly	Val	Ala	Pro	Gly	Val	Gly	Val	Ala	Pro	Gly	Ile	Gly	Pro	Gly
				485					490					495	
Gly	Val	Ala	Ala	Ala	Ala	Lys	Ser	Ala	Ala	Lys	Val	Ala	Ala	Lys	Ala
			500					505					510		
Gln	Leu	Arg	Ala	Ala	Ala	Gly	Leu	Gly	Ala	Gly	Ile	Pro	Gly	Leu	Gly
		515					520					525			
Val	Gly	Val	Gly	Val	Pro	Gly	Leu	Gly	Val	Gly	Ala	Gly	Val	Pro	Gly
	530					535					540				
Leu	Gly	Val	Gly	Ala	Gly	Cys	Ser	Gly	Phe	Arg	Cys	Trp	Arg	Gly	Arg
545					550					555					560
Arg	Cys	Thr	Ser	Phe	Pro	Val	Ser	Arg	Thr	Ala					

15

565

570

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Lys Ala Pro Gly Val Gly Gly Ala Phe

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Arg Ala Ala Ala Gly Leu Gly

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Arg Ser Leu Ser Pro Glu Leu Arg Glu Gly Asp

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Lys Ala Ala Lys Ala Gly Ala Gly Leu

1

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<213> Homo sapiens

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Lys Ala Gly Ala Gly Leu Gly Gly Val

1 5

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Ala Leu Ala Ala Ala Lys Ala Ala Lys Tyr Gly Ala Ala

1 5 10

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Lys Ala Ala Gln Phe Gly Leu Val Pro Gly Val

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Arg Ser Leu Ser Pro Glu Leu Arg Glu

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- 17 -

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Gly Gln Leu Arg Ala Ala Ala Gly

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Val Gln Leu Arg Ala Ala Ala Gly

1 5

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Ile Gln Leu Arg Ala Ala Ala Gly

1 5

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Leu Gln Leu Arg Ala Ala Ala Gly

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Ala Asn Leu Arg Ala Ala Ala Gly

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1 5

- 19 -

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1 5

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1 5

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Ala Gln Leu Arg Gly Ala Ala Gly
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1 5

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Ala Gln Leu Arg Ile Ala Ala Gly

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1 5

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Ala Gln Leu Arg Leu Ala Ala Gly

1 5

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Ala Gln Leu Arg Ala Gly Ala Gly

1 5

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Ala Gln Leu Arg Ala Val Ala Gly

1 5

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Ala Gln Leu Arg Ala Ile Ala Gly

1 5

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- 21 -

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Ala Gln Leu Arg Ala Leu Ala Gly

1 5

<210> 37

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Ala Gln Leu Arg Ala Ala Gly Gly

1 5

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Ala Gln Leu Arg Ala Ala Val Gly

1 5

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Ala Gln Leu Arg Ala Ala Ile Gly

1 5

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Ala Gln Leu Arg Ala Ala Leu Gly

1 5

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- 22 -

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Ala Gln Leu Arg Ala Ala Ala Ala

1 5

<210> 42

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Ala Gln Leu Arg Ala Ala Ala Ile

1 5

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Ala Gln Leu Arg Ala Ala Ala Val

1 5

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Ala Gln Leu Arg Ala Ala Ala Leu

1 5

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Val Gly Gly Ala Leu Ala Ala Ala

1 5

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Gly Pro Gly Ala Leu Ala Ala Ala

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Ile Pro Gly Ala Leu Ala Ala Ala

1

5

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Leu Pro Gly Ala Leu Ala Ala Ala

1

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Ala Pro Gly Ala Leu Ala Ala Ala

1

5

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<212> PRT

<213> Homo sapiens

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Val Pro Gly Ala Leu Ala Ala Ala

1

5

- 24 -

<210> 51

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Val Pro Ile Ala Leu Ala Ala Ala

1 5

<210> 52

<211> 8

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Val Pro Leu Ala Leu Ala Ala Ala

1 5

<210> 53

<211> 8

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Val Pro Val Ala Leu Ala Ala Ala

1 5

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Val Pro Gly Ala Gly Ala Ala Ala

1 5

<210> 55

<211> 8

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<213> Homo sapiens

<400> 55

Val Pro Gly Ala Ile Ala Ala Ala

- 25 -

1 5

<210> 56

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Val Pro Gly Ala Ala Ala Ala Ala

1 5

<210> 57

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Val Pro Gly Ala Val Ala Ala Ala

1 5

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Val Pro Gly Ala Leu Gly Ala Ala

1 5

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Val Pro Gly Ala Leu Ile Ala Ala

1 5

<210> 60

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- 26 -

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Val Pro Gly Ala Leu Leu Ala Ala
1 5

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Val Pro Gly Ala Leu Val Ala Ala
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Val Pro Gly Ala Leu Ala Gly Ala
1 5

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Val Pro Gly Ala Leu Ala Ile Ala
1 5

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Val Pro Gly Ala Leu Ala Leu Ala
1 5

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- 27 -

<213> Homo sapiens

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Val Pro Gly Ala Leu Ala Val Ala

1 5

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Val Pro Gly Ala Leu Ala Ala Ala

1 5

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Val Pro Gly Ala Leu Ala Ala Gly

1 5

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Val Pro Gly Ala Leu Ala Ala Ile

1 5

<210> 69

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Val Pro Gly Ala Leu Ala Ala Leu

1 5

<210> 70

- 28 -

<211> 8

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Val Pro Gly Ala Leu Ala Ala Val

1

5

<210> 71

<211> 515

<212> PRT

<213> Homo sapiens

<400> 71

Gly Gly Val Pro Gly Ala Ile Pro Gly Gly Val Pro Gly Gly Val Phe

1

5

10

15

Tyr Pro Gly Ala Gly Leu Gly Ala Leu Gly Gly Gly Ala Leu Gly Pro

20

25

30

Gly Gly Lys Pro Leu Lys Pro Val Pro Gly Gly Leu Ala Gly Ala Gly

35

40

45

Leu Gly Ala Gly Leu Gly Ala Phe Pro Ala Val Thr Phe Pro Gly Ala

50

55

60

Leu Val Pro Gly Gly Val Ala Asp Ala Ala Ala Tyr Lys Ala Ala

65

70

75

80

Lys Ala Gly Ala Gly Leu Gly Gly Val Pro Gly Val Gly Gly Leu Gly

85

90

95

Val Ser Ala Gly Ala Val Val Pro Gln Pro Gly Ala Gly Val Lys Pro

100

105

110

Gly Lys Val Pro Gly Val Gly Leu Pro Gly Val Tyr Pro Gly Gly Val

115

120

125

Leu Pro Gly Ala Arg Phe Pro Gly Val Gly Val Leu Pro Gly Val Pro

130

135

140

Thr Gly Ala Gly Val Lys Pro Lys Ala Pro Gly Val Gly Gly Ala Phe

145

150

155

160

Ala Gly Ile Pro Gly Val Gly Pro Phe Gly Gly Pro Gln Pro Gly Val

165

170

175

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Pro Leu Gly Tyr Pro Ile Lys Ala Pro Lys Leu Pro Gly Gly Tyr Gly
 180 185 190

Leu Pro Tyr Thr Thr Gly Lys Leu Pro Tyr Gly Tyr Gly Pro Gly Gly
 195 200 205

Val Ala Gly Ala Ala Gly Lys Ala Gly Tyr Pro Thr Gly Thr Gly Val
 210 215 220

Gly Pro Gln Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Lys Phe
 225 230 235 240

Gly Ala Gly Ala Ala Gly Val Leu Pro Gly Val Gly Gly Ala Gly Val
 245 250 255

Pro Gly Val Pro Gly Ala Ile Pro Gly Ile Gly Gly Ile Ala Gly Val
 260 265 270

Gly Thr Pro Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys Ala Ala
 275 280 285

Lys Tyr Gly Ala Ala Ala Gly Leu Val Pro Gly Gly Pro Gly Phe Gly
 290 295 300

Pro Gly Val Val Gly Val Pro Gly Ala Gly Val Pro Gly Val Gly Val
 305 310 315 320

Pro Gly Ala Gly Ile Pro Val Val Pro Gly Ala Gly Ile Pro Gly Ala
 325 330 335

Ala Val Pro Gly Val Val Ser Pro Glu Ala Ala Ala Lys Ala Ala Ala
 340 345 350

Lys Ala Ala Lys Tyr Gly Ala Arg Pro Gly Val Gly Val Gly Gly Ile
 355 360 365

Pro Thr Tyr Gly Val Gly Ala Gly Gly Phe Pro Gly Phe Gly Val Gly
 370 375 380

Val Gly Gly Ile Pro Gly Val Ala Gly Val Pro Ser Val Gly Gly Val
 385 390 395 400

Pro Gly Val Gly Gly Val Pro Gly Val Gly Ile Ser Pro Glu Ala Gln
 405 410 415

Ala Ala Ala Ala Ala Lys Ala Ala Lys Tyr Gly Val Gly Thr Pro Ala
 420 425 430

- 30 -

Ala Ala Ala Ala Lys Ala Ala Ala Lys Ala Ala Gln Phe Gly Leu Val
 435 440 445

Pro Gly Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Val Gly
 450 455 460

Val Ala Pro Gly Val Gly Leu Ala Pro Gly Val Gly Val Ala Pro Gly
 465 470 475 480

Val Gly Val Ala Pro Gly Val Gly Val Ala Pro Gly Ile Gly Pro Gly
 485 490 495

Gly Val Ala Ala Ala Ala Lys Ser Ala Ala Lys Val Ala Ala Lys Ala
 500 505 510

Gln Leu Arg
 515

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<213> Homo sapiens

<400> 72

Ala Ala Ala Gly Leu Gly Ala Gly Ile Pro Gly Leu Gly Val Gly Val
 1 5 10 15

Gly Val Pro Gly Leu Gly Val Gly Ala Gly Val Pro Gly Leu Gly Val
 20 25 30

Gly Ala Gly Val Pro Gly Phe Gly Ala Gly Ala Asp Glu Gly Val Arg
 35 40 45

Arg

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<213> Homo sapiens

<400> 73

Gly Val Arg Arg Ser Leu Ser Pro Glu Leu Arg Glu Gly Asp Pro Ser
 1 5 10 15

Ser Ser Gln His Leu Pro Ser Thr Pro Ser Ser Pro Arg Val Pro Gly

SUBSTITUTE SHEET (Rule 26) (RO/AU)

20 25 30
 Ala Leu Ala Ala Ala Lys Ala Ala Lys Tyr Gly Ala Ala Val Pro Gly
 35 40 45
 Val Leu Gly Gly Leu Gly Ala Leu Gly Gly Val Gly Ile Pro Gly Gly
 50 55 60
 Val Val Gly Ala Gly Pro Ala Ala Ala Ala Ala Ala Lys Ala Ala
 65 70 75 80
 Ala Lys Ala Ala Gln Phe Gly Leu Val Gly Ala Ala Gly Leu Gly Gly
 85 90 95
 Leu Gly Val Gly Gly Leu Gly Val Pro Gly Val Gly Gly Leu Gly Gly
 100 105 110
 Ile Pro Pro Ala Ala Ala Ala Lys Ala Ala Lys Tyr Gly Ala Ala Gly
 115 120 125
 Leu Gly Gly Val Leu Gly Gly Ala Gly Gln Phe Pro Leu Gly Gly Val
 130 135 140
 Ala Ala Arg Pro Gly Phe Gly Leu Ser Pro Ile Phe Pro Gly Gly Ala
 145 150 155 160
 Cys Leu Gly Lys Ala Cys Gly Arg Lys Arg Lys
 165 170

<210> 74

<211> 183

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<213> Homo sapiens

<400> 74

Ala Ala Ala Gly Leu Gly Ala Gly Ile Pro Gly Leu Gly Val Gly Val
 1 5 10 15
 Gly Val Pro Gly Leu Gly Val Gly Ala Gly Val Pro Gly Leu Gly Val
 20 25 30
 Gly Ala Gly Val Pro Gly Phe Gly Ala Val Pro Gly Ala Leu Ala Ala
 35 40 45
 Ala Lys Ala Ala Lys Tyr Gly Ala Ala Val Pro Gly Val Leu Gly Gly
 50 55 60

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Leu Gly Ala Leu Gly Gly Val Gly Ile Pro Gly Gly Val Val Gly Ala
 65 70 75 80

Gly Pro Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Lys Ala Ala
 85 90 95

Gln Phe Gly Leu Val Gly Ala Ala Gly Leu Gly Gly Leu Gly Val Gly
 100 105 110

Gly Leu Gly Val Pro Gly Val Gly Gly Leu Gly Gly Ile Pro Pro Ala
 115 120 125

Ala Ala Ala Lys Ala Ala Lys Tyr Gly Ala Ala Gly Leu Gly Gly Val
 130 135 140

Leu Gly Gly Ala Gly Gln Phe Pro Leu Gly Gly Val Ala Ala Arg Pro
 145 150 155 160

Gly Phe Gly Leu Ser Pro Ile Phe Pro Gly Gly Ala Cys Leu Gly Lys
 165 170 175

Ala Cys Gly Arg Lys Arg Lys
 180